

Art Unit: 2800

CLMPTO

09/30/02

EG

1. (Amended) A control device for mixing and positioning sound

comprising:

an input audio channel controller further comprising: an input level controller, a plurality of input to output controllers; and a main controller circuit selector;
a plurality of master controllers further having: a cross fader and a scenes selector.

2. (Amended) The control device for mixing and positioning sound as claimed in Claim 1, wherein the input level controller is utilized to control parameters of signals from a plurality of input channels.

3. (Amended) The control device for mixing and positioning sound as claimed in Claim 1, wherein the plurality of input to output controllers are utilized to set each one of the plurality of input channels to at least one of a plurality of output channels.

4. (Amended) The control device for mixing and positioning sound as claimed in Claim 1, wherein one of the plurality of input to output controllers is selected by the controller circuit selector to be controlled by one of the plurality of master controllers.

5. (Amended) The control device for mixing and positioning sound as claimed in Claim 1, wherein one of the plurality of input to output controllers is set to operate independently without being controlled by the plurality of master controllers.

6. (Amended) The control device for mixing and positioning sound as claimed in Claim 1, wherein the output audio channel controller controls combination of the plurality of output channels based on combinations of the plurality of input channels to the plurality of output channels set by the plurality of input to output controller; and the number of output channels of any groups is the same as a number of the combinations set by the plurality of input to output controllers.

7. (Amended) The control device for mixing and positioning sound as claimed in Claim 6, wherein the output audio channel controller directly outputs signals based on the combinations set by the plurality of input to output controllers, or mixes the signals again and then outputs the mixed signals.

8. (Amended) The control device for mixing and positioning sound as claimed in Claim 1, wherein the cross fader serves for switching the combinations set by the plurality of input to output controllers.

9. (Amended) The control device for mixing and positioning sound as claimed in Claim 1, wherein the scenes selector serves to set combinations of the controller circuit selector.

10. (Amended) A control method for mixing and positioning sound, all input audio channel being assembled into multiple output channels to match required sound emitting points, comprising:

arranging outputs of sound based on a viewpoint of visual effect;

wherein a positioning of each sound is set at a reasonable position based on a viewpoint of a camera, as the viewpoint of a camera is changed, the viewpoint of sound is also changed; positioning of sound must be designed to match capturing points of cameras; and matching a sound control to movements of objects, wherein unused master controllers are selected to control the audio channels of independent movements.

11-12 (canceled)